

Applicant: Virginia W. Cornish
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In the Claims

Please amend the claims by replacing all prior versions of the claims pursuant to 37 C.F.R. §1.121 as modified by 68 Fed. Reg. 38611 (June 30, 2003) as indicated below.

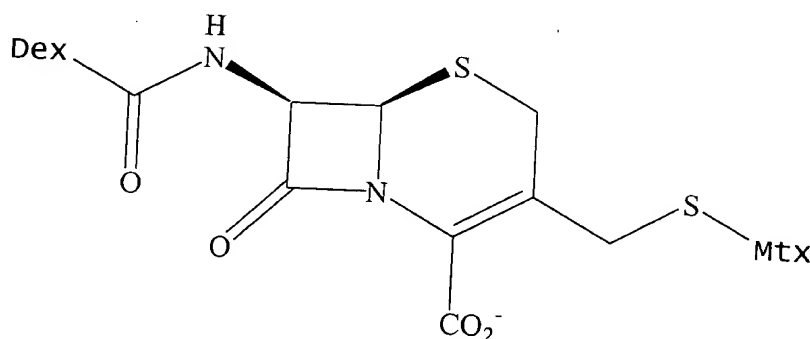
1-94. (Canceled)

95. (Currently Amended): ~~The A compound of claim 91,~~ having the formula:

Dex-Y-Mtx

wherein Dex represents dexamethasone,
Mtx represents methotrexate, and
Y is a moiety providing a covalent linkage between Dex and
Mtx, which may be present or absent, and when absent, Dex is
covalently linked to Mtx.

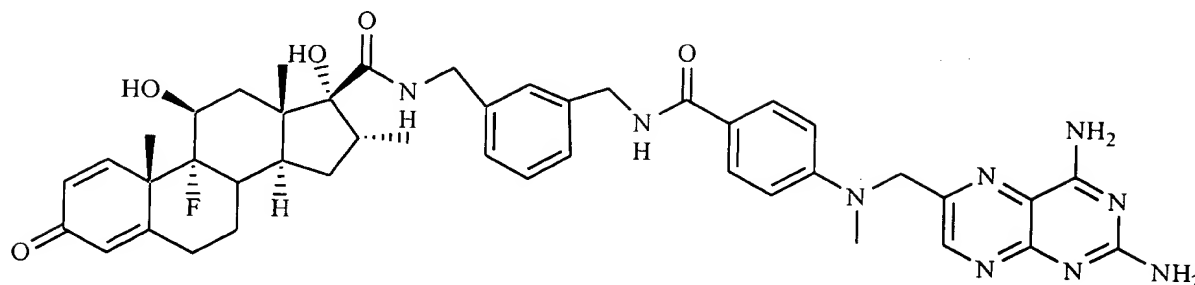
96. (previously presented): The compound of claim 95, having the formula:



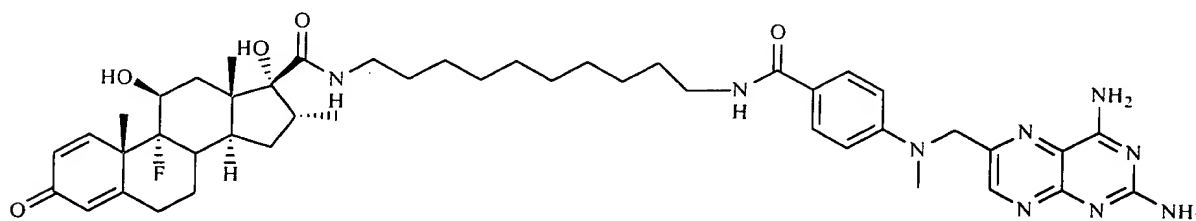
97-105. (Canceled).

106. (Currently Amended): ~~The A compound of claim 95~~ having the formula:

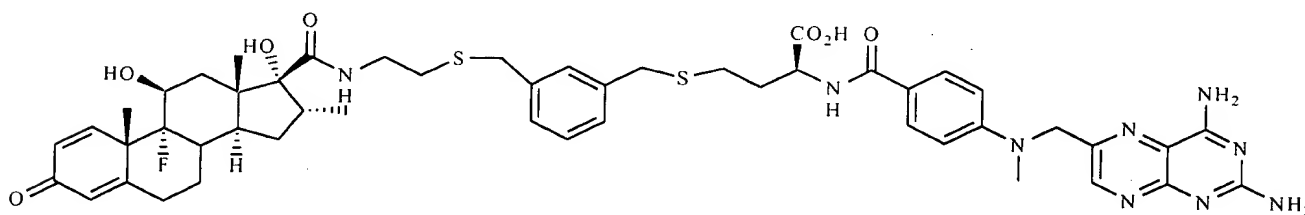
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107. (Currently Amended): The A compound of ~~claim 95~~ having the formula:

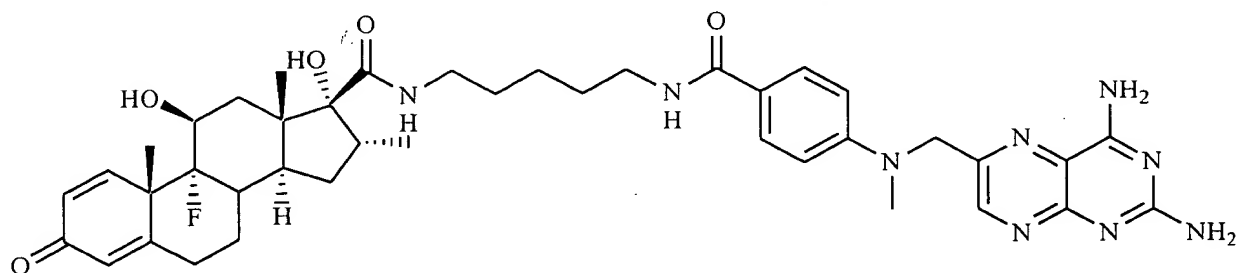


108. (Currently Amended): The A compound of ~~claim 95~~ having the formula:

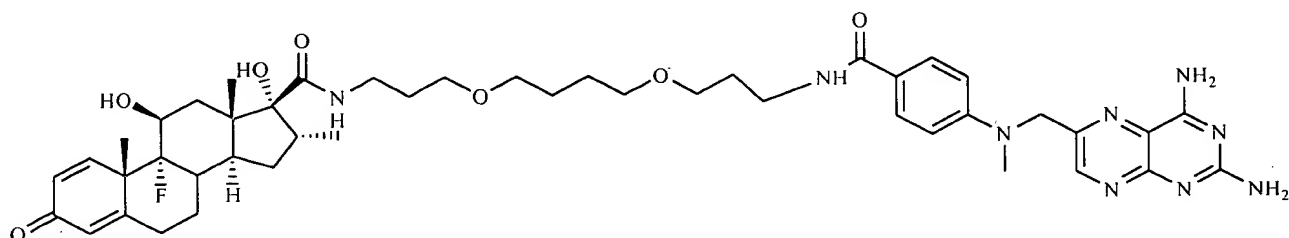


109. (Currently Amended): The A compound of ~~claim 95~~ having the formula:

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110. (Currently Amended): ~~The A compound of claim 95~~ having the formula:



111. (Currently Amended) A complex between

i) a compound comprising a portion to be tested for binding to a receptor having the formula H1-Y-H2,

wherein H1 is methotrexate (Mtx) ~~or an analog thereof that binds in a cell to dihydrofolate reductase (DHFR);~~

wherein H2 is the portion of the compound to be tested for binding to a receptor; and

wherein Y is a moiety providing a covalent linkage between H1 and H2, which may be present or absent, and when absent, H1 is covalently linked to H2, and

ii) a fusion protein which comprises a binding domain that binds to H1 of the compound.

112. (previously presented): The complex of claim 111, wherein the binding domain is that of the dihydrofolate reductase (DHFR).

113-118 (Canceled).

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119. (previously presented): The complex of claim 111, wherein the fusion protein is DHFR-(DNA-binding domain).

120. (previously presented): The complex of claim 111, wherein the fusion protein is DHFR-LexA.

121. (previously presented): The complex of claim 111, wherein the fusion protein is DHFR-(transcription activation domain).

122. (previously presented): The complex of claim 111, wherein the fusion protein is DHFR-B42.

123. (previously presented): A complex between the compound of any one of claims of claims 106-110, and the fusion protein DHFR-LexA.

124. (previously presented): The complex between the compound of any one of claims of claims 106-110, and the fusion protein DHFR-B42.

125. (previously presented): A cell comprising the complex of claim 111.

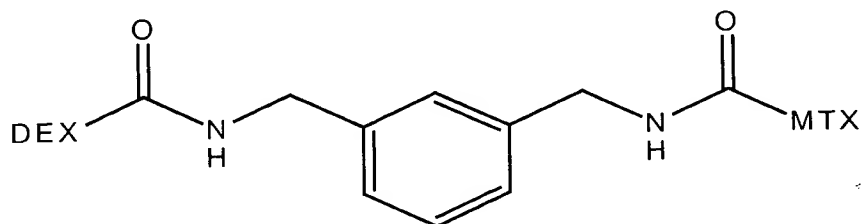
126. (Currently Amended): The cell of claim 125, where the cell is ~~selected from the group consisting of~~ yeast, bacteria or mammalian.

127. (Currently Amended): The cell of claim 125, where the cell is ~~selected from the group consisting of *S. cerevisiae*, and *S. cerevisiae* or *E. coli*.~~

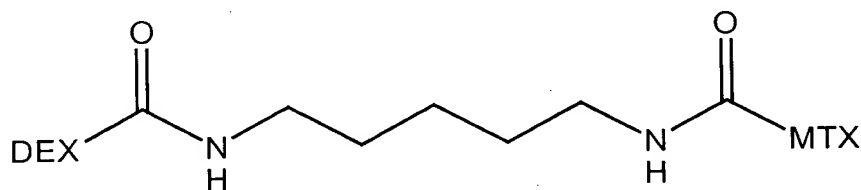
128-146. (Canceled)

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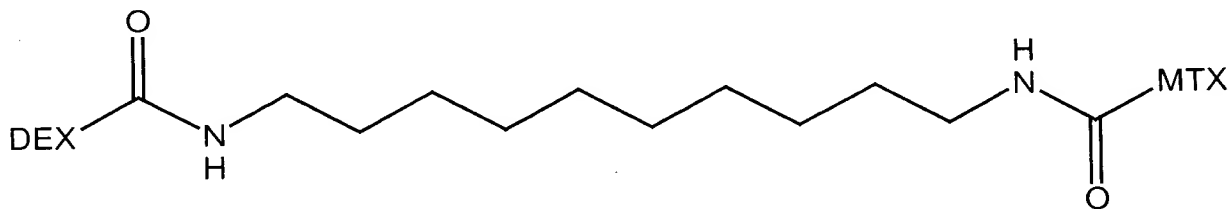
147. (previously presented): The compound of claim 95 having the formula:



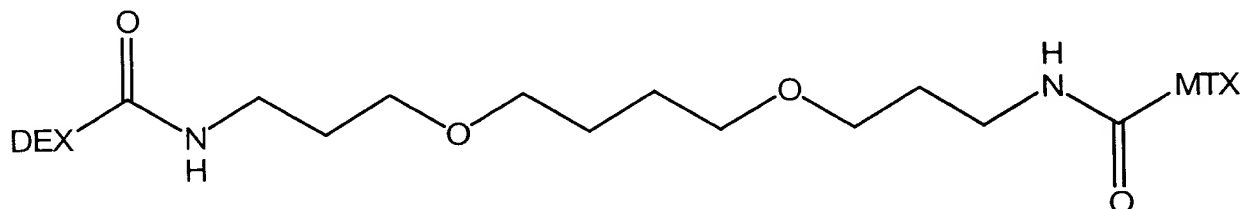
148. (previously presented): The compound of claim 95 having the formula:



149. (previously presented): The compound of claim 95 having the formula:



150. (previously presented): The compound of claim 95 having the formula:



151. (Currently Amended): A yeast three-hybrid system comprising a compound of the formula H1-Y-H2 having a portion which is to be tested for binding to a receptor,

wherein H1 is methotrexate (Mtx) ~~or an analog thereof that binds in a cell to dihydrofolate reductase (DHFR);~~

wherein H2 is the portion of the compound to be tested for binding to a receptor; and

wherein Y is a moiety providing a covalent linkage between H1 and H2, which may be present or absent, and when absent, H1 is covalently linked to H2.

152. (Currently Amended): A yeast three-hybrid system comprising a complex between

i) a compound of the formula H1-Y-H2 having a portion which is to be tested for binding to a receptor,

wherein H1 is methotrexate (Mtx) ~~or an analog thereof that binds in a cell to dihydrofolate reductase (DHFR);~~

wherein H2 is the portion of the compound to be tested for binding to a receptor; and

wherein Y is a moiety providing a covalent

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linkage between H1 and H2, which may be present or absent, and when absent, H1 is covalently linked to H2, and

ii) a fusion protein which comprises a binding domain that binds to H1 of the compound.

153-154. (Canceled)